



Dear Students and Parents,
Chromosomes & Sex
PLTW Exam
ScienceGuyInATie.com

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Important Notices:

PBS Field Trip March 9th

WISEGISE Meeting March 8· Riley Lab

H&M incoming students, March 11 7-9pm Riley Lab

PBS PLTW Examination March 18th, certification pending, college credit.

Late Work End Date March 12, last day Mr. Bradley will accept late work.

ACIS Meiosis, Asexual/Sexual Reproduction Quiz Wednesday

Final Exam, ACIS March 17-19th one of those days.

Mr. Bradley's newsletter goes to Science of Wellness (SW) students. Principles of Biomedical Science (PBS) and 9th grade ACIS students.

Dear students and parents,

PBS I apologize for not continuing with the newsletters yet something had to give as my time has been spent on curriculum generation, test creation, pedagogy and just plain trying to create a program for a new school. This trimester I have had three science preps and for example, the DNA electrophoresis lab takes two hours to set up then I also had set up for the wonderful Science of Wellness course as the kids determine the obesity gene and then the standard 9th grade ACIS course too. The next magnet students were selected. I feel that the PBS students are in a good place to pass the PLTW test. If they pass then we will become certified with multiple colleges and universities in the country and college credit for H & M course work will be accepted. I feel that the magnet is progressing nicely and that if I focus on the marathon that within two years when the magnet is fully running I can start to think about adding extra things.

I just recently took the mastery test for Medical Interventions, 12th grade course and thus will be leaving the day that school is out for my summer training. This will be the third summer of leaving my family to go back to school for training at Purdue University in clinical medicine. I anticipate a great two weeks of learning.

PBS students may still complete missing assignments for points. If you do not successfully pass the course then you will not be allowed to schedule Human Body Systems on your schedule. Please see Mr. Bradley if you have questions.

March 9th is the PBS field trip to UM Med Sci. Please return your field trip permission slip as well as the \$10 donation for bus. Thank you.

When school resumes we will begin the last unit, Infectious Disease. It will be great. Yes, I'm the lame-ol teacher but I liked writing the Valentine card to you! Also thanks for the kind notes and thanks of the Valentines Day cards and last day before vacation Wii DDR party and ice cream.

ACIS Congrats to any ACIS students that were selected in the H&M lottery. Please attend to informational meeting at Skyline March 11th, 7-8 in Riley Lab. If you were not selected please sign up for any of the magnet elective courses, Science of Wellness, Human Anatomy and Physiology, Biotechnology and Epidemiology.

What a great week of learning, a busy week of learning in ACIS. Two topics of study-DNA then mutations along with two quiz's. Students completed their amazing double-helix DNA jewelry (see photocast online) and then completed two labs, mutations and types of mutations. "The one doing the work is the one doing the learning." I can easily lecture and tell students the answers but I firmly believe in having students working and figuring out how the natural order of science works. "I hear it I forget, I see it I remember, I do it I understand."

This upcoming week we learned about **crossing-over** - the reciprocal exchange of DNA between homologous chromosomes during meiosis. Have a great time learning using the cut and paste karyotypes; **karyotype** is a photograph of the chromosomes from a single cell.

HW. Repeat: "I don't have any homework in Mr. Bradley's class." You say, "Mr. Bradley, say's you do." The ACIS final exam is approaching in 3 school weeks. Please use the Blog Archive found on the sidebar of www.ScienceGuyInATie.com to go back through the lessons, photos, websites, and powerpoints to begin your studying. Please use the ACT Word Wall Words and your lab book too.

Students in my inquiry based Accelerated Integrated Science classes are kind, polite, ready and willing to focus on the interchange of ideas through discussion, sharing their data collection and interpretations. To create this positive atmosphere where students work together efficiently and effectively, I emphasize and model through procedures, actions and words, that students will be cared for, believed in, trusted, and listened too. Using intentionally inviting statements such as "If you try this, you will be sensational," fosters motivation and an inviting learning atmosphere. Students have high expectations about learning due to my emphasis on inquiry activities such that students are interested in what they do and thus our learning environment becomes self-governing.

Afterschool make up and grades. Thank you to all the students that have been coming in at lunch and afterschool to complete missing work. I have also had students complete EC at this time.



Word Wall Words: The SAME new words for this week are: Gamete, Diploid, Haploid, Segregation, Independent assortment, Karyotype, Sexual reproduction, Asexual reproduction, Homologous chromosome, Mitosis, Meiosis, Genetic variation, Crossing over (hyyp://ScienceGuyInATie.com for complete list.)

Students are encouraged to use these words as they write in their journals and spell them correctly. These are the terms as identified on the 11th grade MME/ACT test. Please practice recognizing these words in your readings at home. It is also a good idea to make flashcards.

Since we are working toward the same goal, it is important for us to communicate often. I will keep sending home a newsletter on a regular basis informing you of our activities. Please feel free (I do like to hear from you) to e-mail (bradleyj@aaps.k12.mi.us) or call (school; 994-6515) if

you have question or concern. Writing notes is also a good way to share information. (Does anyone read these newsletters? Are they helpful? Or too many Friday email's from all your teachers?)

Sincerely, Mr. Jeffrey Bradley www.ScienceGuyInATie.com bradleyj@aaps.k12.mi.us